

Acknowledgment

OTA would like to thank the following organizations that have agreed to provide space and share resources:

National Grid

55 Bearfoot Road, Northborough, MA 01532
<http://www.nationalgridus.com/masselectric/>

Upper Blackstone Water Pollution Abatement District (UBWPAD)

50 Route 20, Millbury, MA 01527
<http://www.ubwpad.org/>

Massachusetts Department of Environmental Protection (MassDEP)

(Address)
<http://www.mass.gov/dep/>

OTA also recognizes the Associated Industries of Massachusetts (AIM), the Massachusetts Chemistry & Technology Alliance (MCTA), and The Massachusetts Toxics Use Reduction Institute for their support for this program.



STAR Technology Demonstration at Bay Path training center in Charlton, MA

Locations

Seminars and presentations will be held at the National Grid Auditorium in Northborough, MA. Technology demonstrations and testing will be located at MassDEP's training facility on the grounds of the Upper Blackstone Water Pollution Abatement District (UBWPAD), located in Millbury, MA. The Center includes 390 square feet of laboratory and demonstration space equipped with a ventilation hood, work benches, and other basic laboratory necessities. Presentation, meeting, and demonstration spaces are also available.

Contact Us

Commonwealth of Massachusetts
Executive Office of Environmental Affairs
Office of Technical Assistance and Technology
Center for Cleaner Technology
100 Cambridge Street, Suite 900
Boston, MA 02122
Phone: (617) 626-1060
Fax: (617) 626-1095
<http://www.mass.gov/envir/ota>

To participate in Center for Cleaner Technology activities, please contact:

Augustus (Gus) Ogunbameru, Sc.D.
Environmental Engineer
617-626-1065
augustus.ogunbameru@state.ma.us

Scott Fortier
Environmental Analyst
617-626-1090
scott.fortier@state.ma.us

Morgan Mihok
Environmental Analyst
617-626-1088
morgan.mihok@state.ma.us



Presentation Space Available at the Milford Facility

OTA Center For Cleaner Technology

The Office of Technical Assistance and Technology (OTA) with support from National Grid and the Upper Blackstone Water Pollution Abatement District (UBWPAD) established the Center for Cleaner Technology to provide a forum for technology developers to interact with businesses that are interested in incorporating modern, cleaner technologies into their operations. The Center was developed to help Massachusetts businesses gain competitive advantages and offers a demonstration site, a series of seminars, and other features to highlight both existing and emerging technologies.



Switching from a conventional solvent-based process to a UV Curing Process

Commonwealth of Massachusetts
Executive Office of Environmental Affairs
Office of Technical Assistance and Technology
Center for Cleaner Technology



nationalgrid

Deval Patrick, Governor
Timothy Murray, Lt. Governor
Ian Bowles, Secretary
Paul Richard, Director



Current Activities:

TAML® Technology

The Center is involved in on-going trials to use a patented green activator with hydrogen peroxide to remove colorants from paper mill effluents

John Adams Innovation Institute Grant

OTA received \$150,000 in grant money to work with chemical and equipment manufacturers to facilitate high speed digital printing of textile fabric using radiation-curable dyes and pigments.

STAR Training Center

OTA partnered with Bay Path Vocational High School to establish a spray technique analysis and research (STAR) training center to train technicians to use laser-guided, High pressure-Low Volume (HPLV) spray guns. The technology improves transfer efficiency with significant reductions in materials and costs.



Equipment used to process TAML Activator with Hydrogen Peroxide

About OTA

The Office of Technical Assistance and Technology (OTA) is a non-regulatory office within the Executive Office of Environmental Affairs that helps manufacturers and other toxic chemical users reduce or eliminate their use of toxics and the generation of hazardous byproducts. OTA has made more than 3600 site visits to over 1275 facilities from various industry sectors. This assistance has helped companies reduce 63 million pounds of toxics use and save money. OTA services are offered to Massachusetts businesses at no cost. Information about OTA, its mission, services, and accomplishments is available on its website: <http://www.mass.gov/envir/ota>.

Center for Cleaner Technology Activities

Seminars and Presentations:

OTA will organize and host a series of seminars and small group presentations for manufacturers about relevant emerging technologies. Technology developers and vendors can make presentations to specific industry sector(s) or groups. The Center is also available for industry sectors to make presentations on common problems and issues.



Renewable Energy Seminar

Process and Technology Demonstrations:

The Center will host on-site demonstrations of new processes and technologies. In addition, companies may use this space as a test site to see if the technology will work with their processes. OTA staff will work with companies to coordinate any testing to be done at the facility. Researchers, developers, and scientists can also present new analytical methods that can help businesses save money while achieving compliance with regulatory standards.

Technical Meetings:

The Center will coordinate meetings with businesses and technology developers. These meetings are designed to address specific technical barriers to the adoption of new technologies.

Collaboration with Stakeholders and Partners

OTA, through the Center, will connect technology developers with businesses to search for and solicit innovative and practical technologies. The Center can tailor this partnership to address specific industrial needs.

Center for Cleaner Technology Benefits

By utilizing the Center, both manufacturers and technology developers can achieve many benefits.

Benefits for manufacturers:

- Opportunities to learn about new processes and technologies that may improve environmental and economic performance
- Reduced time, financial and space commitments for preliminary testing of new technologies and processes
- Potential for early adoption of innovative technologies, which can lead to a competitive advantage

Benefits for technology developers and vendors

- Ability to reach a broad target audience of clients of OTA
- Opportunities to demonstrate and test technologies and processes
- A chance to identify barriers to industrial implementation
- Forum to discuss novel applications of technologies and to identify and explore previously unrealized uses for the process/technology



Lab/Demonstration Space Available at the Milford Facility

Center for Cleaner Technology Mission

The Center will work with manufacturers, vendors, inventors, and university researchers to accelerate research, transfer, and diffusion of innovative technologies that can enhance the performance of manufacturing industries in the Commonwealth of Massachusetts.